

RESOLUTION NO. \_\_\_\_\_

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA, APPROVING AND AUTHORIZING THE APPROPRIATE CITY OFFICIALS TO ISSUE AN AUTHORIZATION TO PROCEED FOR WORK ORDER NUMBER ARC 20-05 WITH ARCADIS U.S., INC. TO PROVIDE PROFESSIONAL ENGINEERING SERVICES FOR THE MEMBRANE SOFTENING TRAIN C REPLACEMENT IN A LUMP SUM AMOUNT OF \$396,039.00.

WHEREAS, the City's Water Treatment Plant ("WTP") treats raw water from wellfields in the Biscayne and Floridian aquifers using three major treatment processes, which are lime softening ("LS"), membrane softening ("MS"), and reverse osmosis ("RO"); and

WHEREAS, the City currently operates seven, three-stage, MS trains that treat Biscayne aquifer water using MS process; and

WHEREAS, the MS system was originally constructed in 1995 with subsequent membrane replacements in 2004 and 2012; and

WHEREAS, the MS system has reached its useful life, currently showing a decline in system's performance; and

WHEREAS, due to the age and performance of the system, the City has determined that it is necessary to replace the MS system to improve system reliability and continue to meet treatment objectives; and

WHEREAS, MS train C will be replaced with a new two-stage system while the remaining MS trains (trains A through G) will be replaced in the future; and

WHEREAS, on September 20, 2017, the City Commission passed and adopted Resolution No. R-2017-283, approving the execution of continuing professional engineering service agreements with four firms for water, sewer, reuse and stormwater infrastructure projects, one of them being with Arcadis U.S., Inc. ("Arcadis"); and

WHEREAS, City staff requested a proposal from Arcadis to provide professional engineering services for pilot testing, design, permitting, and bidding services for the Membrane Softening Train C Replacement; and

WHEREAS, the Department of Public Utilities recommends that the City Commission authorize appropriate City officials to execute the attached Authorization to

Proceed for Work Order Number ARC 20-05 with Arcadis in the amount of \$396,039.00; and

WHEREAS, funding for this project was included in the adopted FY 2020 Capital Improvement Plan, and is available in account number 442.409901.53600.531210.001249.000.000; and

WHEREAS, Arcadis will complete the proposed professional engineering services in 17 months from the date of issuance of the Authorization to Proceed.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA:

Section 1: That the foregoing "WHEREAS" clauses are ratified and confirmed as being true and correct and are incorporated in this Resolution.

Section 2: That it approves and authorizes the execution, by the appropriate City officials, of the attached Authorization to Proceed for Work Order Number ARC 20-05 with Arcadis U.S., Inc., together with such non-material changes as may be subsequently agreed to by the City Manager and approved as to form and legal sufficiency by the City Attorney.

Section 3: That this Resolution shall be in full force and effective immediately upon its passage and adoption.

PASSED AND ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_  
JOSH LEVY, MAYOR

ATTEST:

\_\_\_\_\_  
PATRICIA A. CERNY, MMC  
CITY CLERK

APPROVED AS TO FORM AND LEGAL  
SUFFICIENCY for the use and reliance  
of the City of Hollywood, Florida only.

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DOUGLAS R. GONZALES  
CITY ATTORNEY